

QC Organic Results 2012
Alkyl PAH

Appendix Quality Control Results for GOM 2012 Organic Contaminant Analysis

Spiked Mussel Tissue (2.0g dry weight)			SP130517	Alkyl-SP130521	SP130612	Alkyl-SP130612
PAH	Concentration (ng/g) In Spike	Concentration (ng/g) In Alkyl-Spike				
Naphthalene	25.00	50.0	74%	70%	53%	104%
C1-Naphthalenes	50.00	75.0	71%	74%	69%	87%
Biphenyl	25.00	12.5	80%	89%	73%	91%
C2-Naphthalene (5-Pks)	25.00	137.5	63%	99%	69%	115%
Acenaphthylene	25.00	25.0	87%	90%	92%	97%
Acenaphthene	25.00	25.0	74%	79%	69%	84%
C-3 Naphthalene	25.00	50.0	83%	89%	79%	88%
Fluorene	25.00	25.0	96%	97%	89%	105%
C1- Fluorene	-	100.0	-	104%	-	101%
C2-Fluorene	-	50.0	-	88%	-	83%
C3- Fluorene	-	25.0	-	92%	-	84%
C4-Naphthalene	-	50.0	-	98%	-	112%
Dibenzothiophene	-	62.5	-	92%	-	86%
C4- Fluorene	-	25.0	-	87%	-	93%
C1-Dibenzothiophene	-	62.5	-	92%	-	94%
C2- Dibenzothiophene	-	50.0	-	100%	-	129%
C3-Dibenzothiophene	-	50.0	-	99%	-	102%
Phenanthrene	25.00	62.5	98%	98%	89%	91%
Anthracene	25.00	25.0	84%	91%	88%	87%
C1-Phenanthrene	25.00	75.0	78%	103%	71%	92%
C2-Phenanthrene	-	50.0	-	120%	-	132%
Fluoranthene	25.00	50.0	102%	96%	97%	107%
Pyrene	25.00	50.0	101%	95%	95%	99%
C1-FP	-	75.0	-	109%	-	103%
C3-Phenanthrene	-	50.0	-	109%	-	108%
C2-FP	-	25.0	-	113%	-	106%
C4-Phenanthrene	-	25.0	-	110%	-	101%
Benzo(a)Anthracene	25.00	25.0	113%	116%	105%	121%
Chrysene	25.00	25.0	111%	110%	88%	106%
C1-Chrysene	-	150.0	-	106%	-	96%
C2-Chrysene	-	25.0	-	113%	-	98%
C3-Chrysene	-	25.0	-	116%	-	106%
C4-Chrysene	-	25.0	-	125%	-	98%
Benzo(b)Fluoranthene	25.00	25.0	114%	116%	110%	132%
Benzo(k)Fluoranthene	25.00	25.0	109%	108%	93%	96%
Benzo(e)Pyrene	25.00	-	105%	-	93%	-
Benzo(a)Pyrene	25.00	25.0	102%	99%	101%	107%
Perylene	25.00	-	86%	-	108%	-
Indeno(1,2,3-cd)Pyrene	25.00	25.0	104%	105%	99%	98%
Dibenz(a,h)Anthracene	25.00	25.0	104%	106%	93%	94%
Benzo(ghi)Perylene	25.00	25.0	112%	114%	93%	87%
Surrogate Recovery						
Napthalene-d8	15.96	15.96	61%	64%	57%	63%
Acenaphthene-d10	16.56	16.56	83%	87%	84%	89%
Phenanthrene-d10	15.28	15.28	97%	96%	94%	84%
Fluoranthene-d10	15.95	15.95	102%	106%	101%	101%
Chrysene-d12	16.78	16.78	101%	108%	96%	98%
Benzo(a)pyrene-d12	19.80	19.80	109%	111%	101%	113%
Benzo(g,h,i)perylene-d12	17.20	17.20	103%	101%	91%	87%
TEO (Total Extractable Organics) - %			6.61%	6.69%	6.42%	8.50%